

THE B&O MODELER

Volume 7, Number 3

Special Annex



May/June 2011

HUGH L BOND JR.

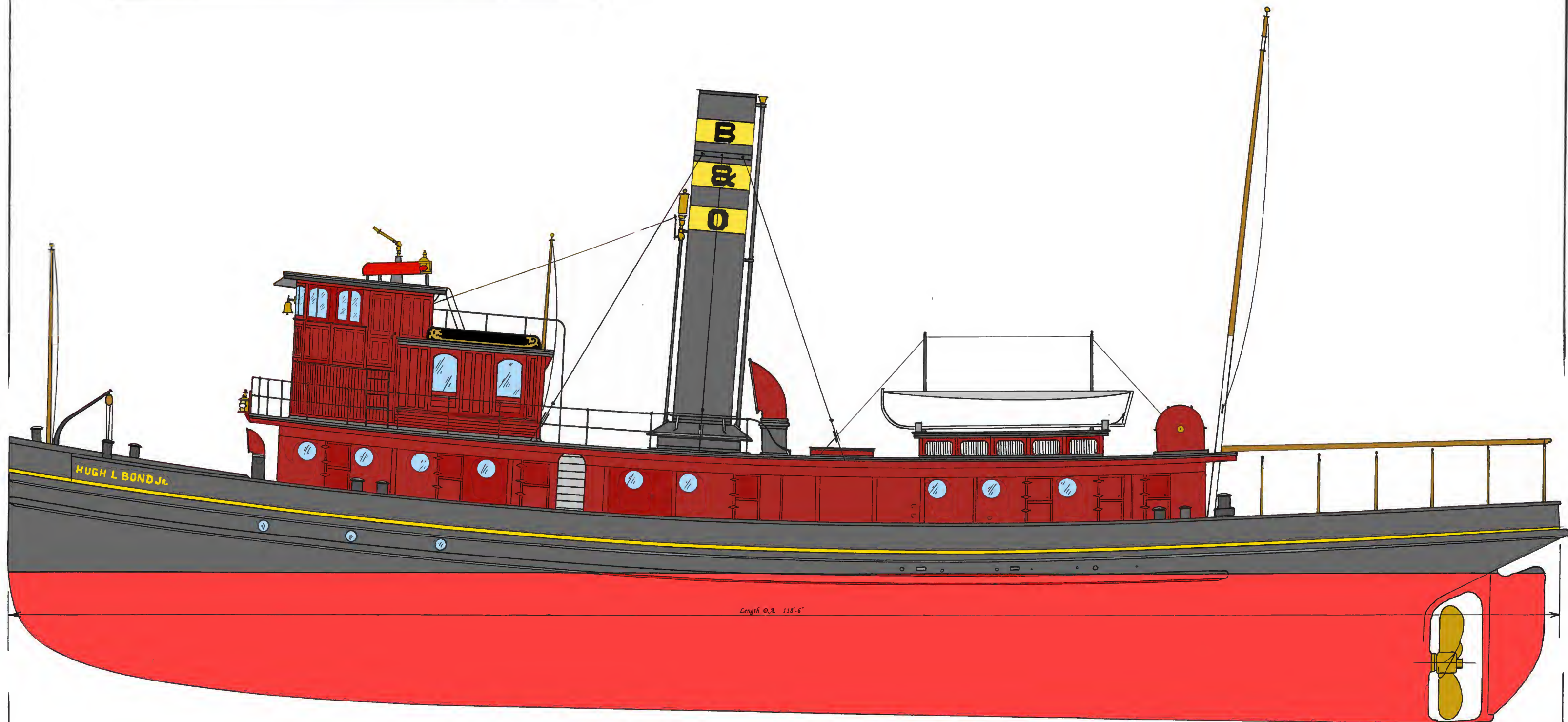


(Collection of Tom Griffiths)

B&O STEAM TUG *HUGH L. BOND JR.*

REDRAWN FROM ORIGINAL SHIPYARD DRAWINGS BY TOM GRIFFITHS

HUGH L BOND JR.



Length O.A. 113'-6"



Graphic Scale in Feet

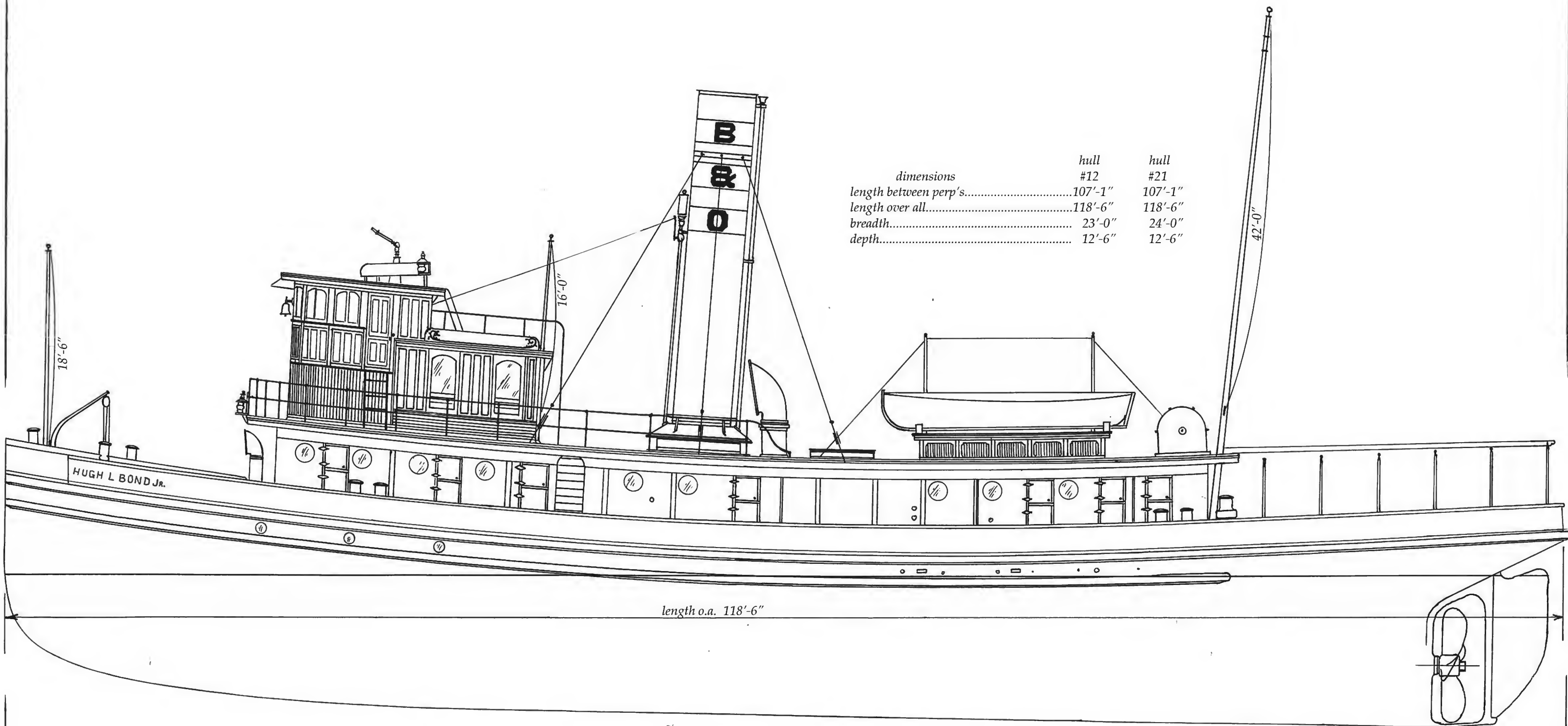
BALTIMORE & OHIO RR · TUGBOAT · HUGH L BOND JR.

BLT. 1904 AT SKINNER SHIPYARDS, BALTIMORE, MD.

COVER SHEET

RE-DRAWN BY T GRIFFITHS

JANUARY, 2011



dimensions	hull	hull
	#12	#21
length between perp's.....	107'-1"	107'-1"
length over all.....	118'-6"	118'-6"
breadth.....	23'-0"	24'-0"
depth.....	12'-6"	12'-6"



Graphic Scale in Feet

* See general notes and prototype information on sheet # 4

BALTIMORE & OHIO RR TUGBOAT · HUGH L BOND JR.

OUTBOARD PROFILE · PORT SIDE

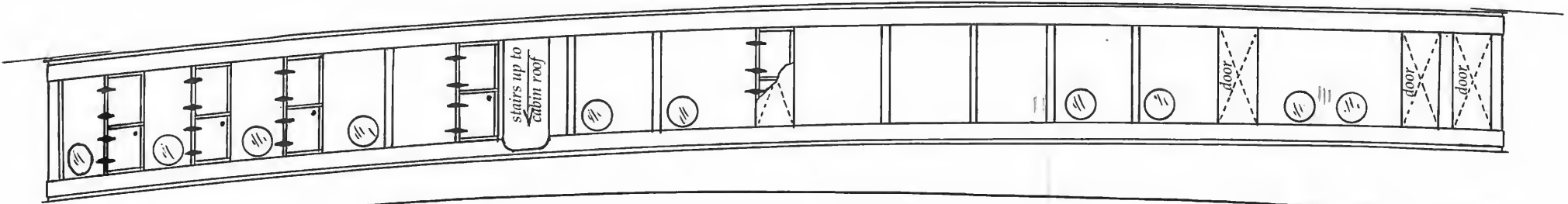
DRWG. 1 OF 4

RE-DRAWN BY · T GRIFFITHS

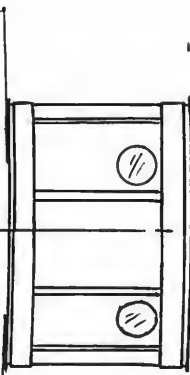
JANUARY, 2011

SCALE 3.5MM-FT

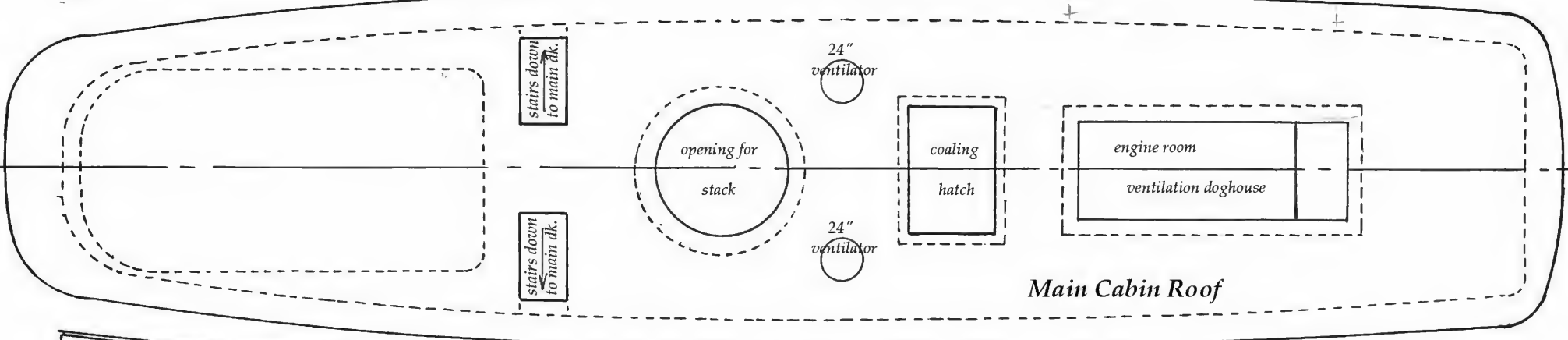
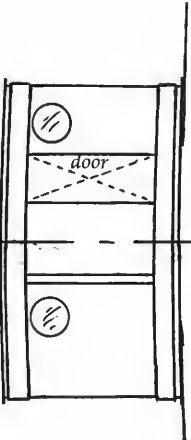
Main Cabin - Starboard Side Profile



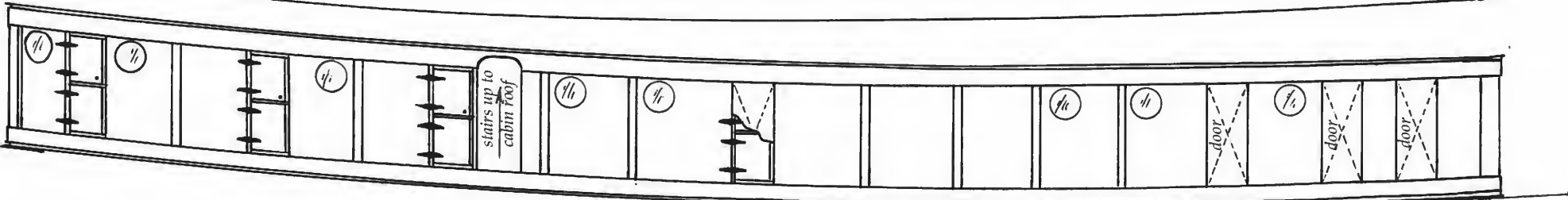
Main Cabin - Looking Aft



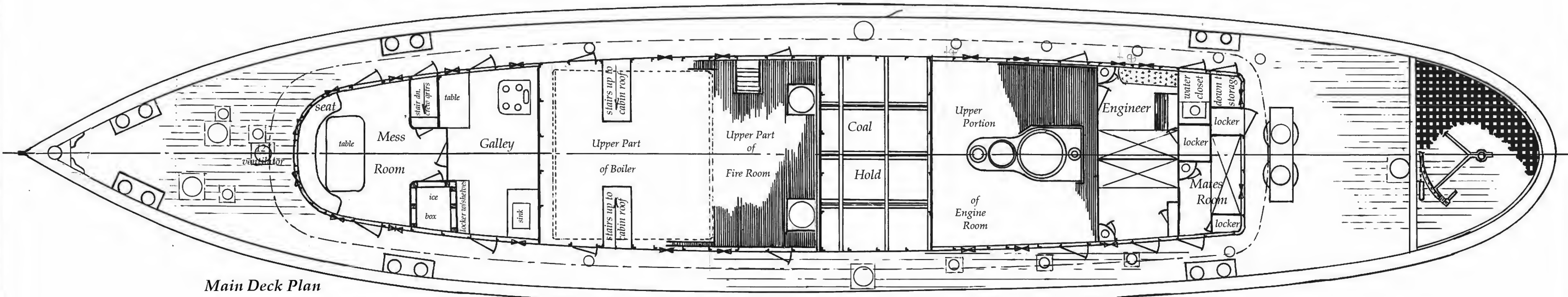
Main Cabin - Looking Forward



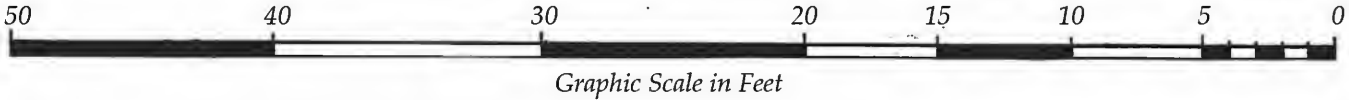
Main Cabin Roof



Main Cabin - Port Side Profile



Main Deck Plan

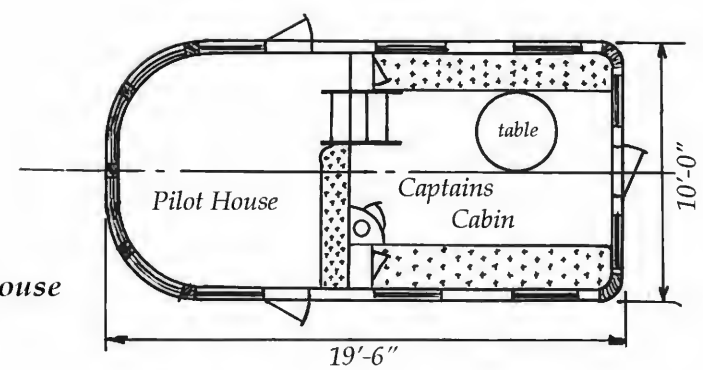


Graphic Scale in Feet

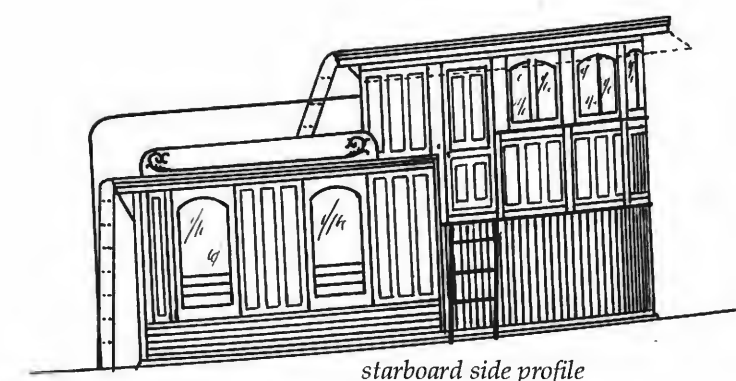
* See general notes and prototype information on sheet # 4

BALTIMORE & OHIO RR TUGBOAT · HUGH L BOND JR.		
MAIN DECK PLAN · MAIN CABIN PROFILES AND ROOF		DRWG. 2 OF 4
RE-DRAWN BY · T GRIFFITHS	JANUARY, 2011	SCALE 3.5MM-FT

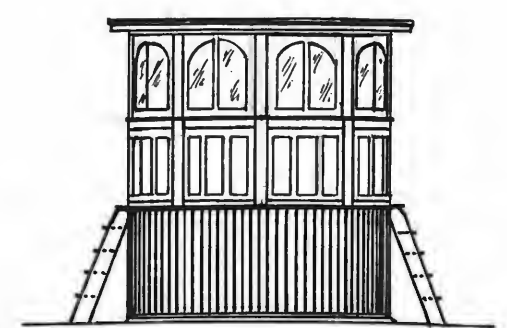
Plan of Pilot House



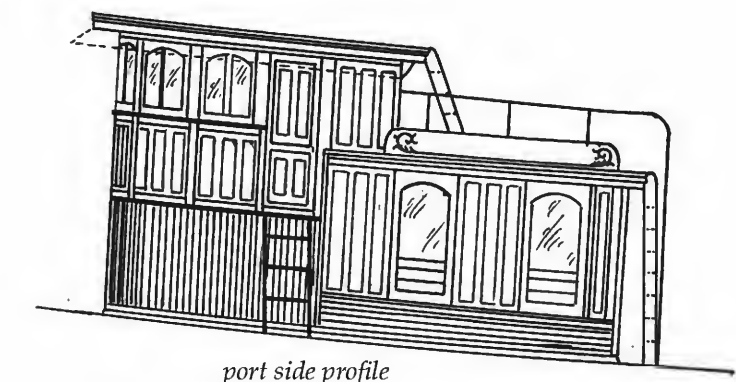
starboard side profile



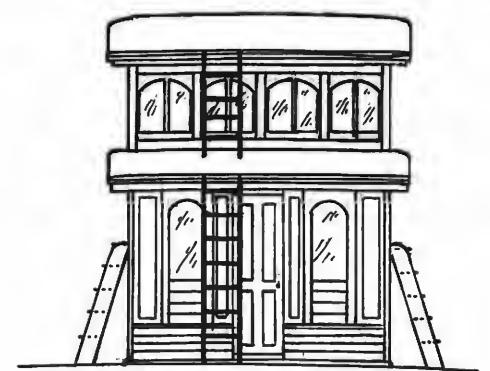
profile looking aft



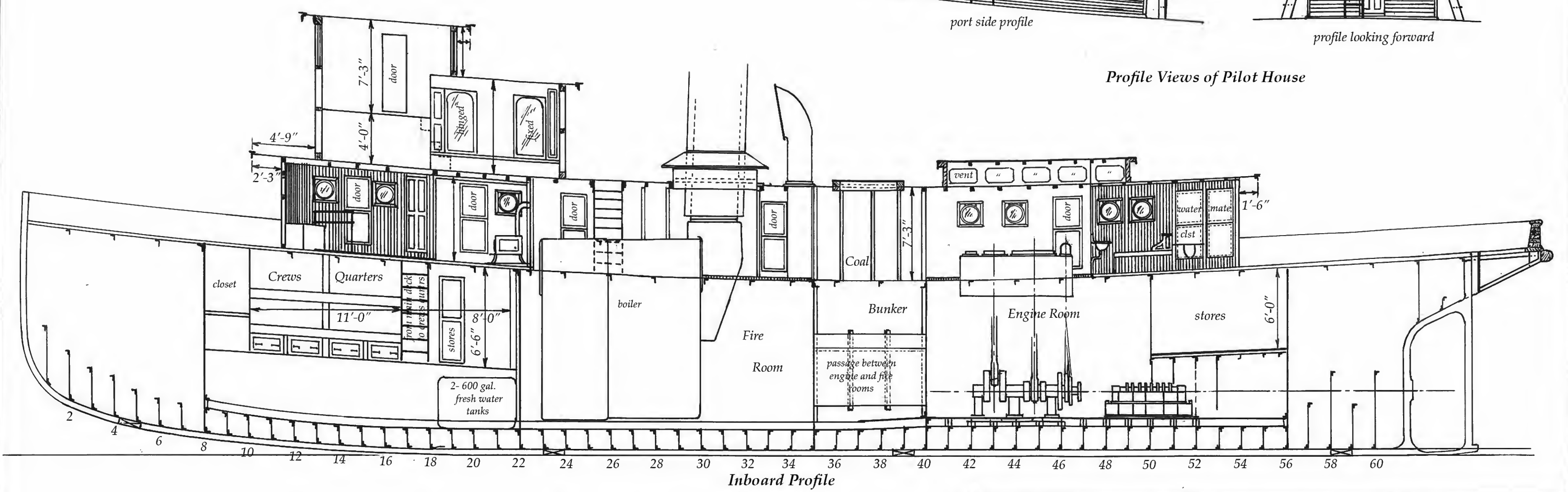
port side profile



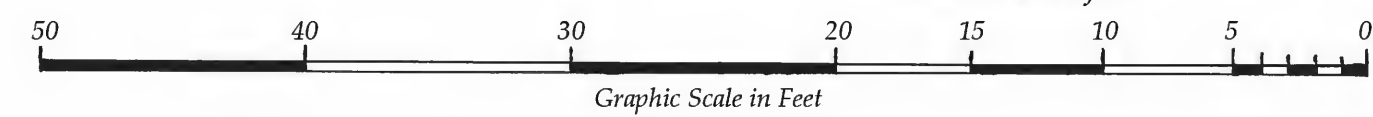
profile looking forward



Profile Views of Pilot House

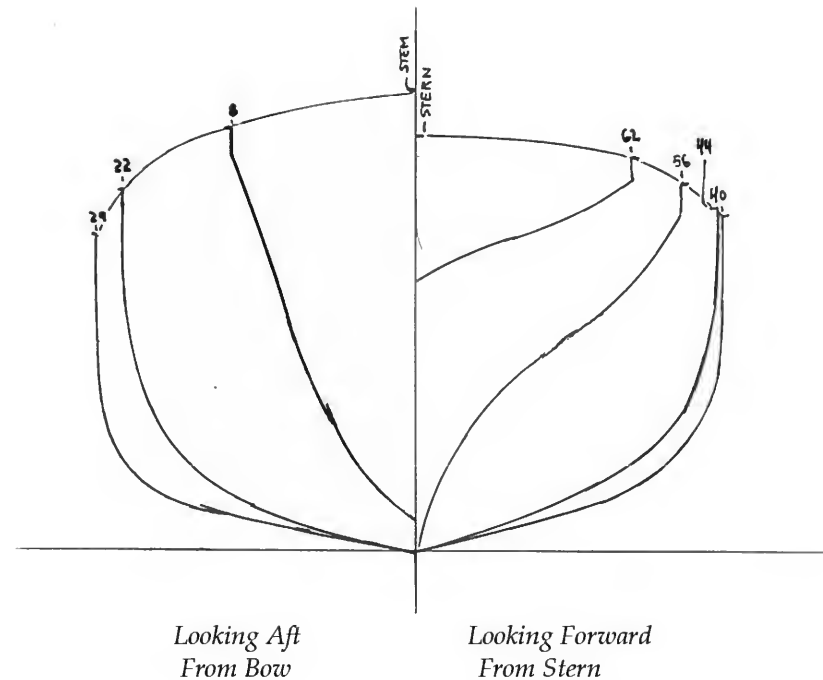


Inboard Profile



BALTIMORE & OHIO RR TUGBOAT · HUGH L BOND JR.			
INTERIOR PROFILE · PILOT HOUSE DETAILS		DRWG 3 OF 4	
RE-DRAWN BY · T GRIFFITHS		JANUARY, 2011	
		SCALE 3.5MMFT	

* See general notes and prototype information on sheet # 4



Hull Lines

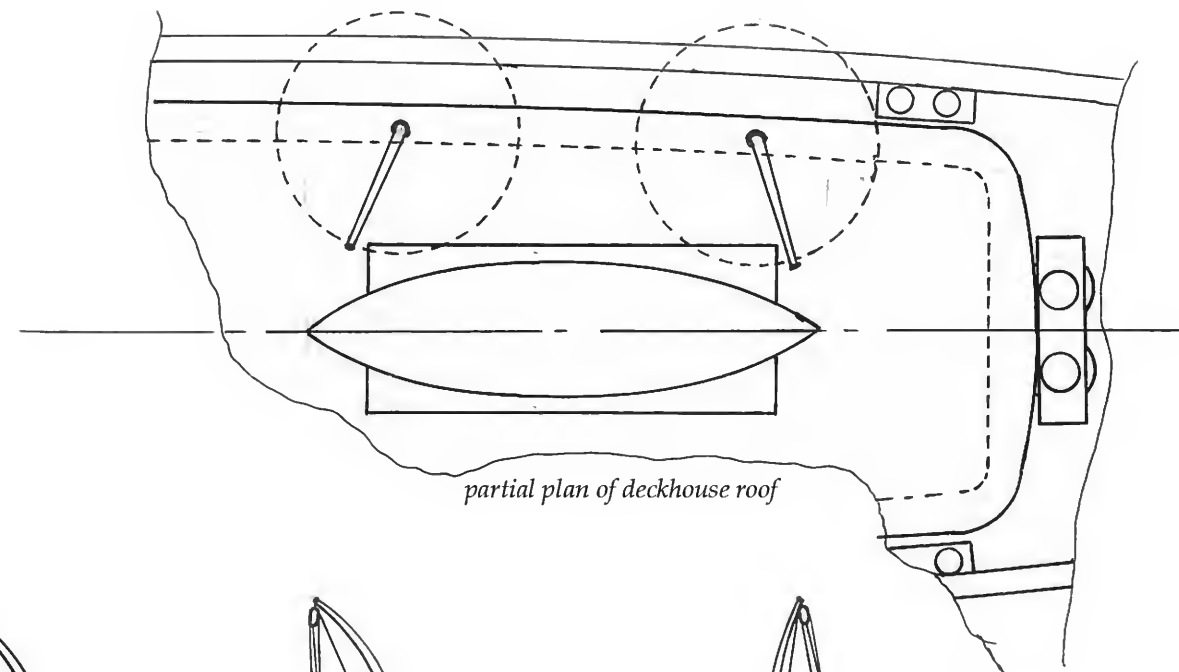
Notes, Observations, and Some Prototype Information;

These drawings are an attempt by myself to provide a set of drawings that could be used to construct a model. While they are NOT fully dimensioned by any means, they are all drawn to a common scale.

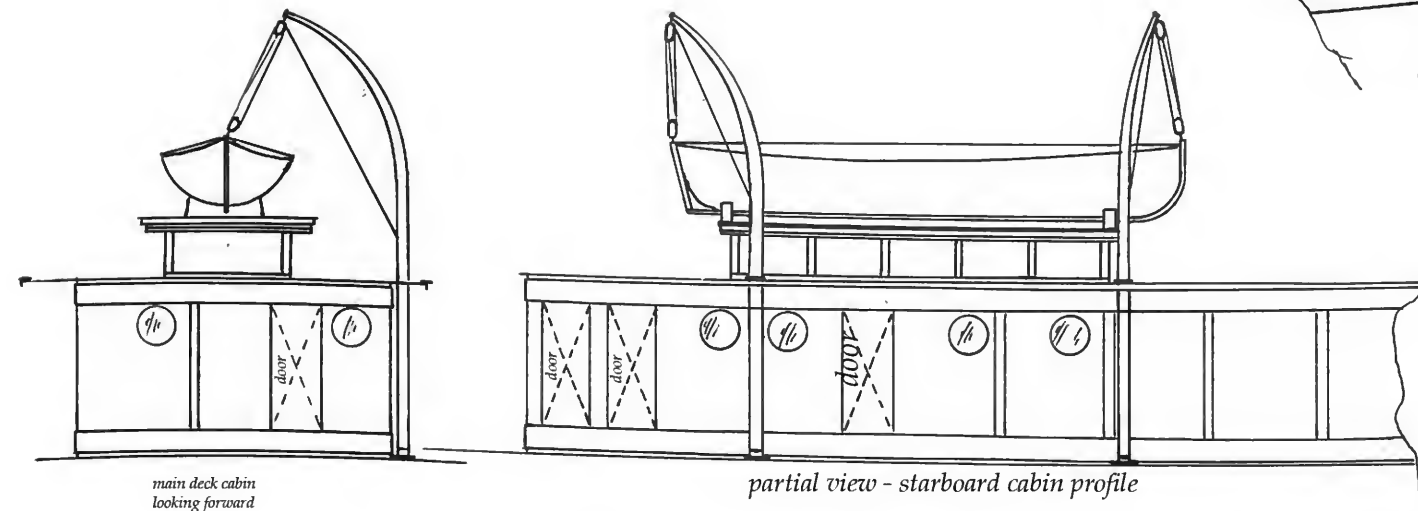
Some background information first. The original drawings are held by the Baltimore Museum of Industry. The copies I worked from were passed on to me by John Teichmoeller, who did all the hard work of finding them, and then having them put into digital form. While the drawings are in good condition, and quite clear, they do have drawbacks. The originals are quite large. The outboard profile was drawn to a scale of 3/8 inch per foot. This yields a drawing about 4 feet long for the tug, it being nearly 120 feet long. The other major problem was that of the 29 sheets of drawings for the tug, most were of little use for modeling, being of construction details that would not be seen [or even present] on a small scale model. Things like the engine bed, details of the hull frames, and similar details.

Another problem is that even in the relatively recent year of 1904, much of what went into the building of a ship was done from the knowledge of the workers in the yard. Unlike today, when every detail is described to the Nth degree, Much of what went into a finished ship was just covered by the heading of 'usual and accepted' standards, and calls for all work to be completed in a 'neat, workman like manner'. Since more than one tug was built from these plans, and since so much was left to the discretion of the yard workers, plus, I'm sure the odd change order from the B+O RR, There are discrepancies in the drawings, some very obvious, others not so much. Also, there are some views you might expect to see, that are not present, as the yard workers didn't need them, being able to gather what they needed from their experience.

Details of Lifeboat Rigging and Storage



partial plan of deckhouse roof



main deck cabin
looking forward

partial view - starboard cabin profile



Graphic Scale in Feet

The most obvious discrepancy is the difference in the over all length of the tug when comparing the outboard profile on the first sheet with the inboard profile, and main deck plans on following sheets. While the outboard profile is drawn 118'-6" long, on the following sheets the hull is about 4 feet shorter. There are other differences between the various views. Some are explained in notes on the original drawings, as changes from one hull to another, others are not touched on.

I have not tried to correct or eliminate any discrepancies between the various sheets. I leave it up to the modeler to decide what compromises to make. I have added some views that were not included on the original yard plans, and omitted some data that I felt was not important for an accurate model to be built.

Tom Griffiths, January, 2011, New Jersey

BALTIMORE & OHIO RR TUGBOAT · HUGH L BOND JR.

HULL LINES · LIFEBOAT DETAILS · NOTES	DRWG 4 OF 4
RE-DRAWN BY · T GRIFFITHS	SCALE 3.5MM-FT

JANUARY, 2011